

FORTINET®



FortiGate 60E/61E Series

Information

Box Includes



FortiGate 60E/61E Series



FortiGate/FortiWiFi QuickStart Guide



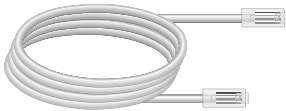
Information Supplement



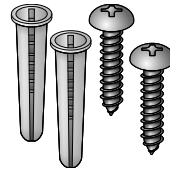
Power Cable



Power Adapter



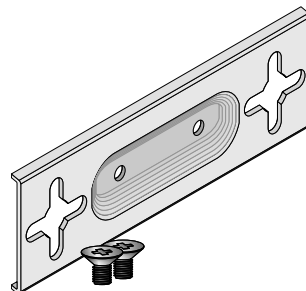
Ethernet Cable



Wall Mount Hardware



2 WiFi Antennas
(WiFi models only)



Wall Mount Kit

Installation

The FortiGate unit can be placed on any flat surface, or mounted to a wall with the providing mounting hardware.

Caution: Electrostatic discharge (ESD) can damage your Fortinet equipment.

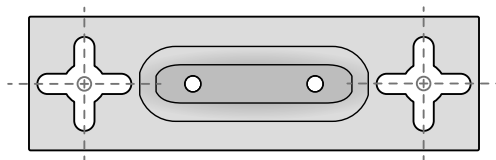
Do not place heavy objects on the unit.

To install the unit on a flat surface

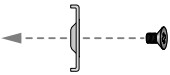
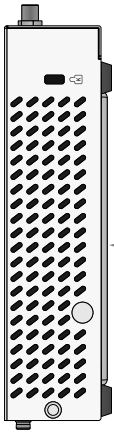
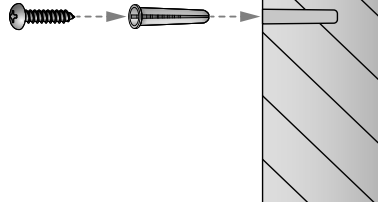
1. Ensure that the surface onto which the FortiGate unit to be installed is clean, level, and stable and that there is at least 1.5in (3.8cm) of clearance on all sides to allow for adequate airflow.
2. Place the unit in the designated location.
3. Verify that the spacing around the FortiGate unit conforms to requirements and that the unit is level.
4. If applicable, attach the antennas to the device.
5. Plug the provided power adapter into the rear of the unit, and then plug the transformer into a grounded electrical outlet or a separate power source such as an uninterruptible power supply (UPS) or a power distribution unit (PDU) with the provided power cable.

To mount the device on a wall

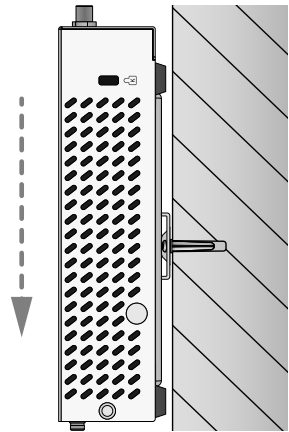
1. Use the mounting bracket to mark the location of the mounting holes on a flat wall surface.
2. Drill the mounting holes in the marked locations.



3. Insert the provided anchors into the drilled holes then screw the screws into the anchors, leaving approximately 2mm of the screw exposed for connecting to the mounting bracket.



4. Fasten the mounting bracket securely to the back of the unit using the provided screws.



5. Position the device with the attached mounting bracket over the exposed screws in the wall, then slide the device downward to secure it in place.

6. If applicable, attach the antennas to the device.

7. Plug the provided power adapter into the rear of the unit, and then plug the transformer into a grounded electrical outlet or a separate power source such as an uninterruptible power supply (UPS) or a power distribution unit (PDU) with the provided power cable.

FortiGate 60E/61E

Logo

- Green: The unit is on
- Off: The unit is off



Ethernet Ports Link/Activity

- Green: Connected
- ☀ Flashing Green: Transmitting & receiving data
- Off: No link established

Ethernet Ports Speed

- Green: Connected at 1Gbps
- Amber: Connected at 100Mbps
- Off: Connected at 10Mbps or not in use



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FortiGate 60E

PWR STATUS HA



Power

- Green: The unit is on
- Off: The unit is off

Status

- Green: Normal
- ☀ Flashing Green: Booting up

HA

- Green: Operating in an HA cluster
- Off: Not in an HA cluster

FortiGate 60E/61E

Power

12V DC

100-240V AC, 50-60Hz adapter

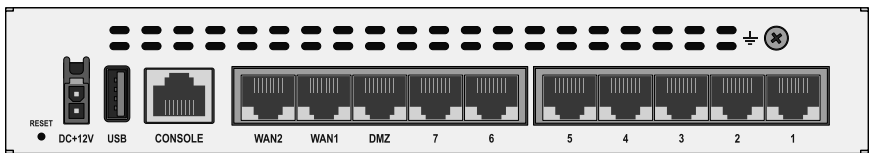
Console (RJ-45)

Optional connection to the management computer

Provides access to the CLI

Ethernet Ports 1 - 7 (RJ-45)

Gigabit Ethernet network connections



DMZ Port (RJ-45)

Optional connection to DMZ network

WAN Ports (RJ-45)

Gigabit Ethernet Internet connections

USB (USB A)

USB 3.0 server port

FortiGate 60E-POE

Max PoE

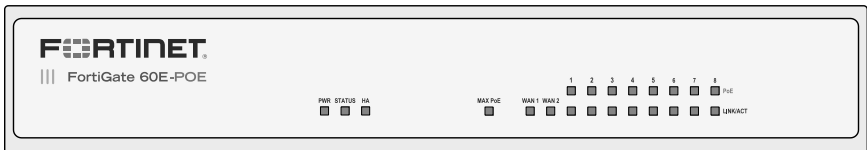
- Red: Maximum PoE power allocated
- Off: PoE power available

Logo

- Green: The unit is on
- Off: The unit is off

PoE

- Green : PoE device powered
- ⦿ Flashing Green: PoE device requesting power
- Off: No PoE device connected



Power

- Green: The unit is on
- Off: The unit is off

Status

- Green: Normal
- ⦿ Flashing Green: Booting up

HA

- Green: Operating in an HA cluster
- Off: Not in an HA cluster

Ethernet Ports Link/Activity

- Green: Connected at 1Gbps
- ⦿ Flashing Green: Transmitting & receiving data at 1Gbps
- Amber: Connected at 10/100Mbps
- ⦿ Flashing Amber: Transmitting & receiving data at 10/100Mbps
- Off: No link established

FortiGate 60E-POE

Power

54V DC

100-240V AC, 50-60Hz adapter

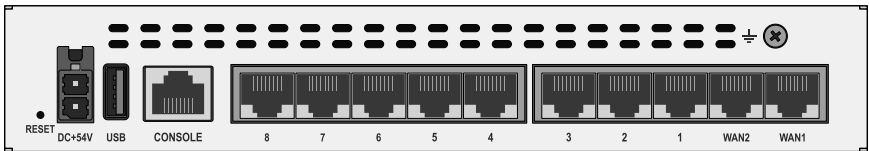
Console (RJ-45)

Optional connection to the management computer

Provides access to the CLI

Ethernet Ports 1 - 8 (RJ-45)

Gigabit Ethernet ports with 802.3at Power over Ethernet (PoE) providing up to a maximum of 75W for all ports



USB (USB A)

USB 3.0 server port

WAN Ports (RJ-45)

Gigabit Ethernet Internet connections

FortiWiFi 60E/61E

Logo

- Blue: The unit is on
- Off: The unit is off



Ethernet Ports Link/Activity

- Green: Connected
- ☀ Flashing Green: Transmitting & receiving data
- Off: No link established

Ethernet Ports Speed

- Green: Connected at 1Gbps
- Amber: Connected at 100Mbps
- Off: Connected at 10Mbps or not in use



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FortiWiFi 60E

PWR STATUS HA WiFi



1 2 3 4 5 6 7 DMZ WAN1 WAN2 LINK/ACT SPEED



Power

- Green: The unit is on
- Off: The unit is off

Status

- Green: Normal
- ☀ Flashing Green: Booting up

HA

- Green: Operating in an HA cluster
- Off: Not in an HA cluster

WiFi

- Green: WiFi connected
- ☀ Flashing Green: WiFi active
- Off: WiFi disabled



FortiWiFi 60E/61E

Power

12V DC

100-240V AC, 50-60Hz adapter

Antenna Connection (SMA)

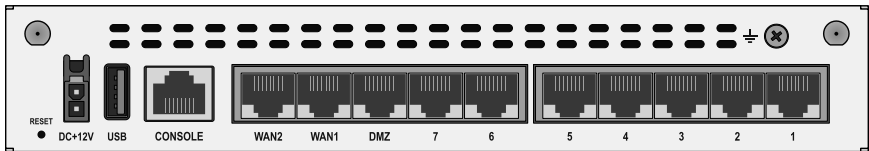
Console (RJ-45)

Optional connection to the management computer

Provides access to the CLI

Ethernet Ports 1 - 7 (RJ-45)

Gigabit Ethernet network connections



DMZ Port (RJ-45)

Optional connection to DMZ network

WAN Ports (RJ-45)

Gigabit Ethernet Internet connections



USB (USB A)

USB 3.0 server port

Antenna Connection (SMA)

Cautions and Warnings

Environmental specifications

Ambient operating temperature: 0C to 40C

Refer to specific Product Model Data Sheet for Environmental Specifications (Operating Temperature, Storage Temperature, Humidity, and Altitude).

Pérez à la Fiche Technique de ce produit pour les caractéristiques environnementales (Température de fonctionnement, température de stockage, humidité et l'altitude).

Safety

Battery – Risk of explosion if the battery is replaced by an incorrect type. Do not dispose of batteries in a fire. They may explode. Dispose of used batteries according to your local regulations. IMPORTANT: Switzerland: Annex 4.10 of SR814.013 applies to batteries.

Batterie – Risque d'explosion si la batterie est remplacée par un type incorrect. Ne jetez pas les batteries au feu. Ils peuvent exploser. Jetez les piles usagées conformément aux réglementations locales. IMPORTANT: Suisse: l'annexe 4.10 de SR814.013 s'applique aux batteries.

警告
本電池如果更換不正確會有爆炸的危險
請依製造商說明書處理用過之電池

Caution: This equipment is to be used in a Network Environment 0 per IEC/ET 62101. This product is connected only to PoE networks without routing to the outside plant.

Attention: Ce matériel doit être utilisé dans un Environnement Réseau 0 par IEC/ET 62101. Ce produit est uniquement connecté aux réseaux PoE sans installation externe de routage.

Regulatory Notices

Federal Communication Commission (FCC) – USA

This device complies with Part 15 of FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received; including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if it is not installed and used in accordance with the instruction manual, it may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Caution: Operation of this device is restricted to indoor use only.

For operation within 5.15 – 5.25GHz frequency range, it is restricted to indoor environment. The band from 5600-5650MHz will be disabled by the software during the manufacturing and cannot be changed by the end user.

This device meets all the other requirements specified in Part 15E, Section 15.407 of the FCC Rules.

Industry Canada Equipment Standard for Digital Equipment (ICES) – Canada

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Innovation, Science and Economic Development (ISED) – Canada

This device complies with ISED license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'ISED applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

For product available in the USA/Canada market, only channel 1–11 can be operated. Selection of other channels is not possible.

Pour les produits disponibles aux États-Unis / Canada du marché, seul le canal 1 à 11 peuvent être exploités. Sélection d'autres canaux n'est pas possible.

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 22cm between the radiator & your body.

Cet équipement est conforme aux limites d'exposition aux rayonnements ISED établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 22cm de distance entre la source de rayonnement et votre corps.

The maximum antenna gain permitted for devices in the band 5725-5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits specified for point-to-point and non-point-to-point operation as appropriate.

Le gain maximal d'antenne permis (pour les dispositifs utilisant la bande 5725-5850 MHz) doit se conformer à la limite de p.i.r.e. spécifiée pour l'exploitation point à point et non point à point, selon le cas.

Caution: The device for the band 5150-5250 MHz is only for indoor usage to reduce potential for harmful interference to co-channel mobile satellite systems. High-power radars are allocated as primary users (i.e. priority users) of the bands 5250-5350 MHz and 5650-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

Attention: Le dispositif de la bande 5150-5250 MHz est réservé à un usage intérieur afin de réduire l'interférence nuisible potentielle aux systèmes mobiles par satellite co-canal. Les radars à haute puissance sont désignés comme utilisateurs principaux (à savoir les utilisateurs prioritaires) des bandes 5250-5350 MHz et 5650-5850 MHz et que ces radars pourraient causer des interférences et / ou endommager les périphériques LE-LAN

This device has been designed to operate with an antenna having a maximum gain of 3 dBi for 2.4GHz and 6 dBi for 5GHz. Antenna having a higher gain is strictly prohibited per regulations of ISED. The required antenna impedance is 50 ohms.

Under ISED regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by ISED. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Ce dispositif a été conçu pour fonctionner avec une antenne ayant un gain maximal de 3 dBi pour 2,4 GHz et 6 dBi pour 5GHz. Une antenne ayant un gain supérieur strictement interdites par la réglementation d'ISED. L'impédance d'antenne requise est de 50 ohms.

Conformément à la réglementation d'ISED, cet émetteur radio peut fonctionner seulement avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par ISED. Dans le but de réduire les risques de brouillage radioélectrique aux autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication réussie.

This radio transmitter 7280B-120512 has been approved by ISED to operate with the antenna types listed below with the maximum permissible gain and required antenna impedance for each antenna type indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

Le présent émetteur radio 7280B-120512 a été approuvé par ISED pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal et l'impédance requise pour chaque type d'antenne. Les types d'antenne non inclus dans cette liste, ou dont le gain est supérieur au gain maximal indiqué, sont strictement interdits pour l'exploitation de l'émetteur.

This device and its antennas(s) must not be co-located or operating in conjunction with any other antenna or transmitter except in accordance with IC multi-transmitter product procedures.

Cet appareil et son antenne (s) ne doit pas être co-localisés ou fonctionner en association avec une autre antenne ou transmetteur.

Antenna Type	Connector	Gain (dBi)	
		2.4GHz	5GHz
Dipole	RSMA	3	6

Professional Installation Instruction

- 1. Installation personnel
This product is designed for specific application and needs to be installed by qualified personnel who has RF and related rule knowledge. The general user shall not attempt to install or change the settings.
- 2. Installation location
The product shall be installed at a location where the radiating antenna can be kept 22cm from nearby person in normal operation condition to meet Regulatory RF exposure requirement. The installation applies to both indoor and outdoor location.
- 3. External antenna(s)
Use only the antenna(s) that have been approved by the manufacturer. The non-approved antenna(s) may produce unwanted spurious or excessive RF transmitting power that may lead to the violation of FCC/ISED limit and is prohibited.
- 4. Warning
Please carefully select the installation position and ensure that the final output power does not exceed the limit set forth in relevant rules. The violation of the rule could lead to serious federal penalty.

Instructions d'installation professionnelle

- 1. Installation
Ce produit est conçu pour un usage spécifique et doit être installé par un personnel qualifié maîtrisant les radiofréquences et règle similaires. L'utilisateur ne doit pas tenter d'installer ou de modifier les paramètres.
- 2. Emplacement d'installation
En usage normal, afin de respecter les exigences réglementaires concernant l'exposition aux radiofréquences, ce produit doit être installé de façon à respecter une distance de 22cm entre l'antenne émettrice et. L'installation s'applique aux emplacements intérieur et extérieur.
- 3. Antenne externe (s)
Utiliser uniquement l'antenne (s) approuvées par le fabricant. L'utilisation d'autres antennes peut conduire à un niveau de rayonnement essentiel ou non essentiel dépassant les niveaux limites définis par FCC/ISED, ce qui est interdit.
- 4. Avertissement
Choisir avec soin la position d'installation et s'assurer que la puissance de sortie ne dépasse pas les limites en vigueur. La violation de cette règle peut conduire à de sérieuses pénalités fédérales.

European Conformity (CE) - EU

This is a Class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.



The product transmits within the frequency ranges and less than or equal to the power listed below:
2412-2472MHz less than 20dBm
5180-5240MHz less than 23dBm

Voluntary Control Council for Interference (VCCI) – Japan

この装置は、クラスB情報技術装置です。この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。
取扱説明書に従って正しい取り扱いをして下さい。
V C C I – B

Product Safety Electrical Appliance & Material (PSE) – Japan

日本では電気用品安全法(PSE)の規定により、同梱している電源コードは本製品の専用電源コードとして利用し、他の製品に使用しないでください。

Korea Certification (KC) – Korea

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해당무선설비기기는 운용중 전파혼신 가능성이 있음

Bureau of Standards Metrology and Inspection (BSMI) – Taiwan

這是甲類的資訊產品，在居住的環境中使用時，可能會造成射頻干擾，在這種情況下，使用者會被要求採取某些適當的對策。
The presence conditions of the restricted substance (BSMI RoHS table) are available at the link below:
<https://www.fortinet.com/bsmi>

Wireless models only:

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Български

Този продукт е в съответствие с Директива 2014/53/ЕС.

Česky

Tento produkt je v souladu se směrnicí 2014/53/EU.

Dansk

Dette produkt er i overensstemmelse med direktiv 2014/53/EU.

Deutsch

Dieses Produkt entspricht der Richtlinie 2014/53/EU.

Eesti

See toode vastab direktiivile 2014/53/EL.

English

This product is in compliance with Directive 2014/53/EU.

Español

Este producto cumple con la Directiva 2014/53/UE.

Ελληνική

Το προϊόν αυτό συμμορφώνεται με την Οδηγία 2014/53/ΕΕ.

Français

Ce produit est conforme à la Directive 2014/53/UE.

Hrvatski

Ovaj proizvod je u skladu s Direktivom 2014/53/EU.

Italiano

Questo prodotto è conforme alla Direttiva 2014/53/UE.

Latviski

Šis gaminys atitinka direktyvą 2014/53/ES.

Lietuvių

Šis gaminys atitinka direktyvą 2014/53/ES.

Malti

Dan il-prodott huwa konformi mad-Direttiva 2014/53/UE.

Magyar

Ez a termék megfelel a 2014/53/EU irányelvnek.

Nederlands

Dit product is in overeenstemming met Richtlijn 2014/53/EU.

Norsk

Dette produktet er i samsvar med direktiv 2014/53/EU.

Polski

Ten produkt jest zgodny z dyrektywą 2014/53/UE.

Português

Este produto está em conformidade com a Diretiva 2014/53/UE.

Rumunski

Acest produs este în conformitate cu Directiva 2014/53/UE.

Slovensky

Tento produkt je v súlade so smernicou 2014/53/EÚ.

Slovensko

Ta izdelek je v skladu z Direktivo 2014/53/EU.

Suomi

Tämä tuote on direktiivin 2014/53/EU mukainen.

Svenska

Denna produkt överensstämmer med direktiv 2014/53/EU.

Note: The full declaration of conformity for this product is available in the link below:
<https://site.fortinet.com/ProductRegulatory/EU>

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.) Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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